SEQUENCE LISTING

<110> The Burnham Institute
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      Ke, Ning
      Adam, Godzik

<120> APOPTOSIS MODULATOR BCL-B AND METHODS FOR MAKING AND USING THE
      SAME

<130> 8014-014-US

<140> 10/017,174
<141> 2002-02-07

<150> 60/267,166
<151> 2001-02-07

<160> 37

<170> PatentIn version 3.3

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<213> Homo sapiens

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cgactacctg gggtactgcg cccgggaacc cggcacccc gagccggcgc catccacgcc   180

cgaggccgcc gtgctgcgct ccgcggccgc caggttacgg cagattcacc ggtccttttt   240

ctccgcctac ctcggctacc ccgggaaccg cttcgagctg gtggcgctga tggcggattc   300

cgtgctctcc gacagccccg gccccacctg gggcagagtg gtgacgctcg tgaccttcgc   360

agggacgctg ctggagagag ggccgctggt gaccgcccgg tggaagaagt ggggcttcca   420

gccgcggcta aaggagcagg agggcgacgt cgcccgggac tgccagcgcc tggtggcctt   480

gctgagctcg cggctcatgg ggcagcaccg cgcctggctg caggctcagg gcggctggga   540

tggcttttgt cacttcttca ggacccccctt tccactggct ttttggagaa aacagctggt   600

ccaggctttt ctgtcatgct tgttaacaac agccttcatt tatctctgga cacgattatt   660

atgagtttta aaactttaa cccgcttcta cctgcccaac tgtgaccaac taaatgacag   720

atgtgtgaga acaagaactg agggaaagca ccttcccca ccccagacgt ttttatctga   780

atgcatacaa ggagtcctga ggtggtgatt tggccagtgt tttaacttgt gacaagtact   840

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Met Val Asp Gln Leu Arg Glu Arg Thr Thr Met Ala Asp Pro Leu Arg
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Glu Arg Thr Glu Leu Leu Leu Ala Asp Tyr Leu Gly Tyr Cys Ala Arg
         20   25   30

Glu Pro Gly Thr Pro Glu Pro Ala Pro Ser Thr Pro Glu Ala Ala Val
         35   40   45

Leu Arg Ser Ala Ala Ala Arg Leu Arg Gln Ile His Arg Ser Phe Phe
    50   55   60

Ser Ala Tyr Leu Gly Tyr Pro Gly Asn Arg Phe Glu Leu Val Ala Leu
65   70   75   80

Met Ala Asp Ser Val Leu Ser Asp Ser Pro Gly Pro Thr Trp Gly Arg
              85   90   95

Val Val Thr Leu Val Thr Phe Ala Gly Thr Leu Leu Glu Arg Gly Pro
         100   105   110

Leu Val Thr Ala Arg Trp Lys Lys Trp Gly Phe Gln Pro Arg Leu Lys
         115   120   125

Glu Gln Glu Gly Asp Val Ala Arg Asp Cys Gln Arg Leu Val Ala Leu
    130   135   140

Leu Ser Ser Arg Leu Met Gly Gln His Arg Ala Trp Leu Gln Ala Gln
145   150   155   160

Gly Gly Trp Asp Gly Phe Cys His Phe Phe Arg Thr Pro Phe Pro Leu
              165   170   175

Ala Phe Trp Arg Lys Gln Leu Val Gln Ala Phe Leu Ser Cys Leu Leu
              180   185   190

Thr Thr Ala Phe Ile Tyr Leu Trp Thr Arg Leu Leu
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<210> 3
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<213> Homo sapiens

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Val Leu Ser Asp Ser Pro Gly Pro Thr Trp Gly Arg Val Val Thr Leu

1   5   10   15

<210> 4
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Ala Trp Leu Gln Ala Gln Gly Gly Trp Asp Gly Phe Cys His Phe
1   5   10   15

<210> 5
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<213> Homo sapiens

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Glu Ala Ala Val Leu Arg Ser Ala Ala Ala Arg Leu Arg Gln Ile
1   5   10   15

<210> 6
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<400> 6

Glu Arg Thr Glu Leu Leu Leu Ala Asp Tyr Leu Gly Tyr Cys Ala Arg
1   5   10   15

Glu Pro Gly Thr Pro
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<210> 7
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<220>
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<400> 7
cgggccaaga aaaccagcga agg   23

<210> 8
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<220>
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<400> 8
cactcaagga agagccattt gcat   24

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<400>  13

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Ala Arg Glu Pro Gly Thr Pro Glu
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Ala Arg Glu Pro Asp Thr Pro Glu
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<210>  15
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<213>  gallus sp.

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Leu Lys Glu Glu Thr Ala Leu Leu Leu Glu Asp Tyr Phe Gln His Arg
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Ala Gly Gly Ala Ala Leu
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<210>  16
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<400>  16

Thr Gly Tyr Asp Asn Arg Glu Ile Val Met Lys Tyr Ile His Tyr Lys
1               5                   10                  15


Leu Ser Gln Arg Gly Tyr Glu Trp
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<210>  17
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<213>  Homo sapiens

<400>  17

Met Ser Gln Ser Asn Arg Glu Leu Val Val Asp Phe Leu Ser Tyr Lys
1               5                   10                  15


Leu Ser Gln Lys Gly Tyr Ser Trp
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<210>  18
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<212> PRT
<213> Caenorhabditis elegans

<400> 18

Pro Arg Leu Asp Ile Glu Gly Phe Val Val Asp Tyr Phe Thr His Arg
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Ile Arg Gln Asn Gly Met Glu Trp
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<210> 19
<211> 30
<212> PRT
<213> Homo sapiens

<400> 19

Met Ala Asp Ser Val Leu Ser Asp Ser Pro Gly Pro Thr Trp Gly Arg
1   5   10   15

Val Val Thr Leu Val Thr Phe Ala Gly Thr Leu Leu Glu Arg
            20   25   30

<210> 20
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<212> PRT
<213> murine sp.

<400> 20

Met Ala Asp Lys Leu Leu Ser Lys Asp Gln Asp Phe Ser Trp Ser Gln
1   5   10   15

Leu Val Met Leu Leu Ala Phe Ala Gly Thr Leu Met Asn Gln
            20   25   30

<210> 21
<211> 30
<212> PRT
<213> gallus sp.

<400> 21

Lys Val Ala Ala Gln Leu Glu Thr Asp Gly Gly Leu Asn Trp Gly Arg
1   5   10   15

Leu Leu Ala Leu Val Val Phe Ala Gly Thr Leu Ala Ala Ala
            20   25   30

<210> 22
<211> 29
<212> PRT
<213> Homo sapiens

<400> 22

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Thr Val Val Glu Glu Leu Phe Arg Asp Gly Val Asn Trp Gly Arg Ile
1               5                   10                  15

Val Ala Phe Phe Glu Phe Gly Gly Val Met Cys Val Glu
            20                  25
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<210> 23
<211> 29
<212> PRT
<213> Homo sapiens

<400> 23

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Gln Val Val Asn Glu Leu Phe Arg Asp Gly Val Asn Trp Gly Arg Ile
1               5                   10                  15

Val Ala Phe Phe Ser Phe Gly Gly Ala Leu Cys Val Glu
            20                  25
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<210> 24
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<400> 24

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Thr Val Gly Asn Ala Gln Thr Asp Gln Cys Pro Met Ser Tyr Gly Arg
1               5                   10                  15

Leu Ile Gly Leu Ile Ser Phe Gly Gly Phe Val Ala Ala Lys
            20                  25                  30
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<210> 25
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<400> 25

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Glu Ala Ala Val Leu Arg Ser Ala Ala Ala Arg Leu Arg Gln Ile His
1               5                   10                  15

Arg Ser Phe Phe Ser Ala
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<210> 26
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<400> 26

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Thr Ser Val Glu Ala Ala Leu Leu Arg Ser Val Thr Arg Gln Ile Gln
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```
1               5               10              15
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Gln Glu His Gln Glu Phe Phe Ser Ser
```
            20              25
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<210>  27
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<400>  27
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Pro Ser Ala Thr Ala Ala Glu Leu Arg Arg Ala Ala Ala Glu Leu Glu
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1               5               10              15
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Arg Arg Glu Arg Pro Phe Phe Arg Ser
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            20              25
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<210>  28
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<212>  PRT
<213>  Homo sapiens
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```
<400>  28
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Pro Pro Val Val His Leu Thr Leu Arg Gln Ala Gly Asp Asp Phe Ser
```
1               5               10              15
```

Arg Arg Tyr Arg Arg Asp Phe Ala Glu
```
            20              25
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```
<210>  29
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<213>  Homo sapiens
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<400>  29
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Met Ala Ala Val Lys Gln Ala Leu Arg Glu Ala Gly Asp Glu Phe Glu
```
1               5               10              15
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Leu Arg Tyr Arg Arg Ala Phe Ser Asp
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            20              25
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<210>  30
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<213>  Caenorhabditis elegans
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<400>  30
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Val Gln Pro Glu His Glu Met Met Arg Val Met Gly Thr Ile Phe Glu
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1               5               10              15
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Lys Lys His Ala Glu Asn Phe Glu Thr
            20   25

<210> 31
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<212> PRT
<213> Homo sapiens

<400> 31

Arg Ala Trp Leu Gln Ala Gln Gly Gly Trp Asp Gly Phe Cys His Phe
1   5   10   15

Phe Arg

<210> 32
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<212> PRT
<213> murine sp.

<400> 32

Arg Ala Arg Leu Glu Ala Leu Gly Gly Trp Asp Gly Phe Cys Arg Phe
1   5   10   15

Phe Lys

<210> 33
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<213> gallus sp.

<400> 33

Gly Glu Trp Met Glu Glu His Gly Gly Trp Asp Gly Phe Cys Arg Phe
1   5   10   15

Phe Gly

<210> 34
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<213> Homo sapiens

<400> 34

His Thr Trp Ile Gln Asp Asn Gly Gly Trp Asp Ala Phe Val Glu Leu
1   5   10   15

Tyr Gly

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<210>  35
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<213>  Homo sapiens

<400>  35

Glu Pro Trp Ile Gln Glu Asn Gly Gly Trp Asp Thr Phe Val Glu Leu
1               5                   10                  15


Tyr Gly



<210>  36
<211>  18
<212>  PRT
<213>  Caenorhabditis elegans

<400>  36

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1               5                   10                  15


Gly Lys



<210>  37
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<212>  DNA
<213>  Homo sapiens


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ggacgctgct                                                            130
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